AMENDMENTS TO THE CLAIMS

Please amend Claims 1-5 below by deleting items marked with a strikeout (i.e. ~~patent~~) or double brackets (i.e., [[patent]]) and adding items marked with an underline (i.e. patent).

1. (Amended) An automated condensation drainage system incorporated into the piping network of an air flow measurement system as a mechanism for automatically purging excess condensation from the instrument tubing of a network, said system comprising:

a transmitter with a sequence controller electronically wired with two condensation chambers communicating via a signal;

condensation drain lines in fluid communication with each said condensation chamber;

a drain valve connected to each said condensation drain line that leads to a drain for purging of excess condensation within [[an]] said instrument tubing system[[; wherein said system is incorporated into the piping network of an air flow measurement system as a mechanism for automatically purging excess condensation from the instrument tubing of a network]].

2. (Amended) The automated condensation drainage system of Claim 1, wherein said condensation chamber is arranged in a lower profile position in relation to the transmitter and sequence controller [[and the flow element]], respectively.

3. (Original) The automated condensation drainage system of Claim 1, further comprising an automated drain valve controlling each said chamber in the system, said automated drain valve opened and closed by signal generated from the transmitter and sequence controller.

4. (Original) The automated condensation drainage system of Claim 3, wherein said automated drain valve comprises a solenoid valve.

5. (Amended) The automated condensation drainage system of Claim 3, wherein a drain cycle [[is]] can be pre-selected [[by the operator]] to drain the excess condensation at specified intervals, wherein the sequence controller energizes the [[auotmated]] automated valve to open, and the condensation drains therethrough by gravity and assisted by the system static pressure into the drain.